

# Utkarsh Sonkar

Indian Institute of Technology, Kanpur

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## EDUCATIONAL QUALIFICATIONS

Year	Degree/Certificate	Institute	CGPA
2021	B.Tech	Indian Institute of Technology, Kanpur	6.0
2016	ISC(XII)	Dr. V.S.E.C. Awadhpuri, Kanpur	85.5%
2014	ICSE(X)	Dr. V.S.E.C. Awadhpuri, Kanpur	87.4%

## ACADEMIC ACHIEVEMENTS

- Awarded **best project** out of **60+** projects for **innovative model** safe dial mechanism in Manufacturing process course **2019**
- Ranked among the **top 0.93%** in **JEE Advanced** among 1.5 million students **2017**
- Ranked among the **Top 3%** students in senior secondary school examination and **Felicitated by UP Government** **2017**

## WORK EXPERIENCE

- **FORTANIX (Software Engineer Intern- Frontend)** (June'13-Sept'13, 2022)  
Supervisor: Maikel Krause Bengaluru
  - Built UI components using **react** for their **design component library**, ported those components to current project **CCM**.
  - Written **openapi-zod** generator application that converts **openapi schema** object to **Zod-Schemas** in typescript.
  - Team required **open-to-zod converter** which is yet not available as **npm library**, now used internally only by **Fortanix**
- **FNIT Solution Pvt. Ltd. (App Development Intern)** (May'15-Jul'15, 2020)  
Supervisor: Amit Kumar Kanpur(India)  
Objective-Optimized client connection to e-commerce store with synchronised product data in real time
  - Designed **UI** using **XML** editor and developed the same to send data from **layout views** to other **Activity**
  - Utilized real time database in **Firebase** using **Hashmap** when the user login in app
  - Added Wish list, view order status and order history Features using **Recycler view** widget to display the data in real time

## PROJECTS

- **Task Manager Application** (March, 2020)
  - Implemented a dynamic and interactive web application with NodeJS and optimization in **MongoDB**
  - Designed **REST API** endpoints using routes for CRUD operations and added middle-ware for **JWT** authentication
  - Utilized **Cloud messaging** for notification system and added features of pagination and filtering of tasks
- **Web Chat System** (April, 2021)
  - Utilized **Web-Sockets** for a seamless one-to-one chat system along with custom room creation system for group chats
  - Integrated **Google maps** to send location and automated **censoring** of profane language in chat using custom models
- **Live Weather App** (Jan, 2021)
  - Built a web-page using **HTML**, and created HTTP request to fetch the coordinates of location using **API calling**
  - Fetched the forecast of location in **JSON** using API calling with coordinates in back-end and displayed live forecast

## POSITION OF RESPONSIBILITY

- **Manager Public Relations, Antaragni'19 IIT Kanpur** (Mar'23-Oct'20, 2019)

<b>Leadership</b>	Led a 3-tier team of <b>90+</b> students responsible for organizing <b>biggest flagship concert</b> of Antaragni Responsible for association with major <b>international embassies</b> and raising funds over <b>40+ Lakhs</b>
<b>Initiatives</b>	Organized <b>5 cultural activities</b> and promote concert with <b>8000+ audience</b> and Bollywood singers Collaborate with media & organized dance performance to raise awareness on <b>world environment day</b>
<b>Impact</b>	Increased presence of <b>international artists</b> by <b>50%</b> to enhance global ties with public image artists

## TECHNICAL SKILLS

- **Programming Languages:** JAVA, JavaScript, TypeScript, C++, Nodejs, React
- **Software and Libraries:** Express, Socket.IO, Android Studio, XML,  $\text{\LaTeX}$ , MongoDB.

## RELEVANT COURSES

Data Structure & Algorithms	Econometrics	Machine Learning
Financial Engineering	Social Media Analytics	Probability & Statistics
Manufacturing Planning & Control	Computational methods in Engineering	Fundamentals of Computing

## EXTRA CURRICULARS

- Volunteered and **organised blood donation** camps in campus in collaboration with **Raktarpan** IIT Kanpur **2018**
- Actively played hockey and football in josh'18 and **bagged 3rd position** among whole campus community **2018**
- Active member of **Society of Civil Engineers** and **organised various talks** of future in civil engineering **2019**
- Served as **National Cadet Corps (NCC)** in 2UP CTR IIT Kanpur during freshmen year **2017**